DATA SHEET

CELSIUS H270

Your mobile workstation

Issue: April 2009

CELSIUS H270

No more compromises on graphics performance even when constantly running demanding power-hungry 3D applications. Say hello to a true visual experience. The portable CELSIUS H270 offers its entire performance from a fully equipped workstation at any place - with comprehensive certification for a large number of leading workstation applications.

Workstation performance

Higher productivity thanks to mobile workstation performance.

- High-end NVIDIA graphics, Intel® Centrino® 2 with vPro™ technology or Intel® Core™2 Extreme processors

Convenient working

A very high degree of mobility due to optimized weight and form factor.

- 15.4-inch WUXGA or WSXGA+ display, less than 3 kg

Unlimited connectivity

Access to your data whereever you are, anytime, anywhere

- Integrated 3G/UMTS, WLAN and Bluetooth.

Certified for ISV's

Guaranteed stability, compatibility and performance for the main workstation applications.

- Comprehensive system certifications in close cooperation with Independent Software Vendors (ISV)

Built to order

Free configurability for all product lines

- Customer is given a system optimized for his requirements

ENERGY STAR

intel CORE 2 Extreme inside

Green IT

4 CORE PERFORMANCE

PROFESSIONAL GRAPHICS

ISV CERTIFICATION

HDCP

BEST CONNECTIVITY

SYSTEM GUARDS

ULTIMATE SECURITY

FAMILY CONCEPT

TWINLOAD

Components

Processor	Intel® Core™2 Extreme X9100 (3.06 GHz, 6 MB, 1066 MHz)
	Intel® Core™2 Extreme QX9300 (2.53 GHz, 2 x 6 MB, 1066 MHz)
	Intel® Core™2 Quad Q9100 (2.26 GHz, 2 x 6 MB, 1066 MHz)
	Intel® Core™2 Quad Q9000 (2.0 GHz, 6 MB, 1066 MHz)
	Intel® Core™2 Duo T9800 (2.93 GHz, 6 MB, 1066 MHz)
	Intel® Core™2 Duo T9600 (2.8 GHz, 6 MB, 1066 MHz)
	Intel® Core™2 Duo T9550 (2.66 GHz, 6 MB, 1066 MHz)
	Intel® Core™2 Duo P8700 (2.53 GHz, 3 MB, 1066 MHz)
	Intel® Core™2 Duo P8600 (2.4 GHz, 3 MB, 1066 MHz)
Memory modules	4 GB (1 module(s) with 4 GB, DDR3), 1066 MHz
	2 GB (1 module(s) with 2 GB, DDR3), 1066 MHz
	1 GB (1 module(s) with 1 GB, DDR3), 1066 MHz
Hard disk drives (internal)	500 GB, 5400 rpm, SATA, 2.5-inch S.M.A.R.T.
	320 GB, 7200 rpm, SATA, 2.5-inch S.M.A.R.T.
	160 GB, 7200 rpm, SATA, 2.5-inch S.M.A.R.T.
	160 GB, 5400 rpm, SATA, 2.5-inch S.M.A.R.T.
	160 GB, 5400 rpm, FDE-3, 2.5-inch S.M.A.R.T.
	64 GB SSD SATA, 2.5-inch
Hard disk notes	One Gigabyte equals one billion bytes, when referring to hard disk drive capacity.
Display	15.4-inch TFT 1920 x 1200 pixel (WUXGA) non-glare display
	15.4-inch TFT 1680 x 1050 pixel (WSXGA+) non-glare display
WLAN (optional)	Atheros Minicard b/g 802.11 b/g
	Intel® Wireless WiFi Link 5300 AGN 11/13ch
UMTS/HSUPA (optional)	Option GTM 382 (downlink 7.2 MBit/s, uplink 2.0 MBit/s)
Bluetooth (optional)	Bluetooth 2.1
Modular bay options	2nd battery
	Blu-ray combo drive
	DVD Super Multi
	Weight saver
Base unit	**CELSIUS H270**
General system information	
Chipset	Intel® PM45 Express, Intel® 82801IEM (ICH9M-E)
Memory slots	2 SODIMM
Turbo memory	Optional 4 GB
Supported capacity RAM (max.)	8 GB
Memory notes	In configurations with 4 GB and more the visible memory may be reduced to approximately 3.5 GB or less (for 32 bit operating systems) and configurations with 8 GB the visible memory may be reduced to approximately 7.5 GB or less (depending on system configuration).
Interfaces	
DC-in	1
Audio: in	1
Audio: out / SPDIF	1
Internal microphones	2
Internal speakers	2
USB 2.0 total	4
DVI	1 (DVI-I Dual Link with HDCP support), maximal resolution 2560 x 1600 pixel (QWXGA)
Serial (RS-232)	1 (9 pin)
Ethernet (RJ-45)	1
Parallel	1 (25 pin)
FireWire (IEEE1394)	1
Modem (RJ-11)	1, optional

Interfaces	
ExpressCard slots	1
PC Card slot (Type I/II)	1
SmartCard slot	1
SIM card slot	1
Multicardreader	1 (SD / MMC / MS / MSPro / XD supported)
eSATA	1 (combined with USB, powered with 5V / 1A)
Wired communication	
Modem type	Optional: 56 K V.92 modem MDC1.5
LAN	Built-in 10/100/1000 MBit/s Intel® 82567LM
Wireless technologies	
Infrared link (Fast IrDa 1.1, 4 Mbps)	Yes
Bluetooth	Optional
WLAN	Optional
UMTS	Optional
Input device / components	
	Keyboard Optional: TouchStick TouchPad with two mouse buttons and scroll via fingerprint sensor Second set of mouse buttons EcoButton LockWorkstation button MobilityCenter button Status LCD Fingerprint sensor Info button Wireless button
Multimedia	
Audio codec	Realtek ALC262
Audio features	High Definition audio, 2 internal microphones, 2 internal speakers
Camera	Optional: Built-in Conference Camera, 1.3 megapixel
Slots	
Mini PCI slots	3 (internal)
Graphics	
Graphics brand name	NVIDIA® Quadro FX 770M, 32-core CUDA parallel computing processor, 128-bit memory interface, 512MB (dedicated), DirectX 10, Shader Model 4.0, OpenGL 2.1
Dedicated video memory	512 MB (GDDR3 VRAM)
I/O controller on board	
Serial ATA total	2
Power supply	
AC adapter	20 V / 120 W (6.0 A)
Rated voltage range	100 - 240 V
Rated frequency range	50 - 60 Hz
1st battery	Li-Ion battery 8-cell, 5200 mAh, 74.9 Wh
2nd battery	Optional: 2nd Li-Ion battery 6 cell, 3800 mAh, 41 Wh
Battery features	Dynamic charge supported (rapid charge)
Benchmark	Mobile Mark 2005
Runtime 1st battery	3.5 h
Runtime 1st + 2nd battery	5 h
Battery notes	Battery life may vary depending on product model, configuration, applications, power management settings and features utilized. Battery recharge time depends on usage.
Dimensions / Weight / Environmental	
Dimension (W x D x H)	363 x 260 x 38 mm
Weight	3 kg
Weight notes	Weight may vary depending on actual configuration

Dimensions / Weight / Environmental	
Operating ambient temperature	5 - 35°C
Operating relative humidity	20 - 85 %

Operating system	
Operating system optional preinstalled	Microsoft® Windows Vista® Business 64bit Microsoft® Windows Vista® Business 32bit
Operating system compatible	Microsoft® Windows® XP Professional x64 Edition Microsoft® Windows® XP Professional Linux
Operating system notes	RedHat / Novell certification pending

Additional Software	
Additional software (optional)	Recovery DVD TwinLoad
Additional software (included as a CD/DVD)	Drivers & Utilities DVD (DUDVD) optional Norton Internet Security (incl. Firewall) 90 days (trial)

Manageability	
Manageability type	DeskView 10
Manageability link	http://ts.fujitsu.com/manageability

Security	
Physical security	Kensington Lock support
System security	Optional: Trusted plattform module (TPM 1.2) Write protect option for the Flash EPROM
User security	SystemLock BIOS SmartCard security Separate SmartCard slot Integrated Fingerprint Sensor Hard disk password User and supervisor BIOS password SmartCase Logon+ incl. Fingerprint software

Compliance	
Germany	GS
Europe	CE
USA/Canada	CSA FCC Class B (Depending on wireless configuration)
Global	RoHS (Restriction of hazardous substances) Medical certification IEC60601-1-2 in combination with optional medical kit
Compliance link	https://sp.ts.fujitsu.com/sites/certificates/default.aspx

Portreplicator interfaces (optional)	
DC-in	1
Power on switch	1
Headphones	1
Audio: microphone in	1
USB 2.0 total	4
VGA	1
DVI	1, DVI-D single link, maximal resolution 1920 x 1200 pixel (WUXGA)
Serial (RS-232)	1
Mouse / Keyboard (PS/2)	1
Ethernet (RJ-45)	1
Parallel	1
Kensington Lock support	2
eSATA	1

Warranty	
Service level	(depending on country)
Maintenance and Support Services - the perfect extension	
Recommended Service	5x9, Response Time: Next Business Day
Service Weblink	http://ts.fujitsu.com/Supportservice

Information about environmental care, policies, programs and our Environmental Guideline FSC 03230:
http://ts.fujitsu.com/aboutus
Take back and Recycling information:
http://ts.fujitsu.com/recycling

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